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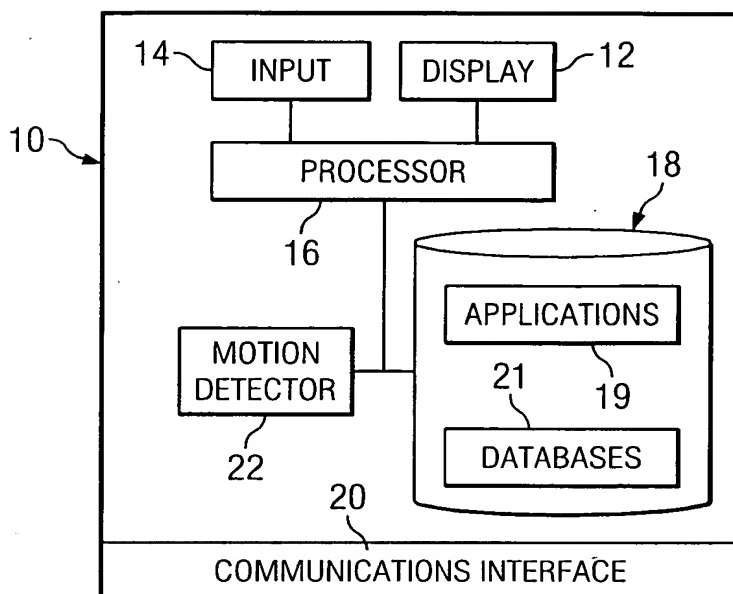


FIG. 1

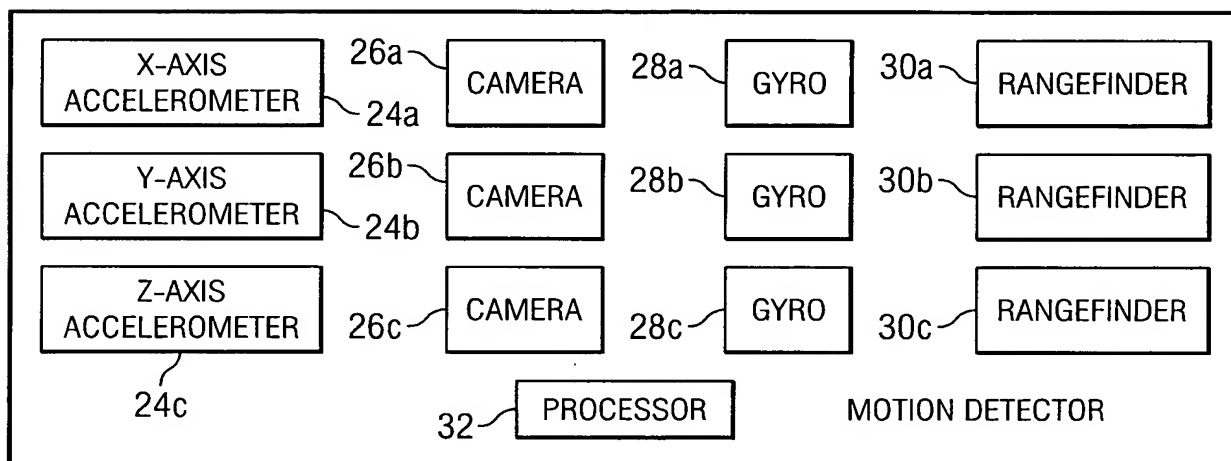


FIG. 2

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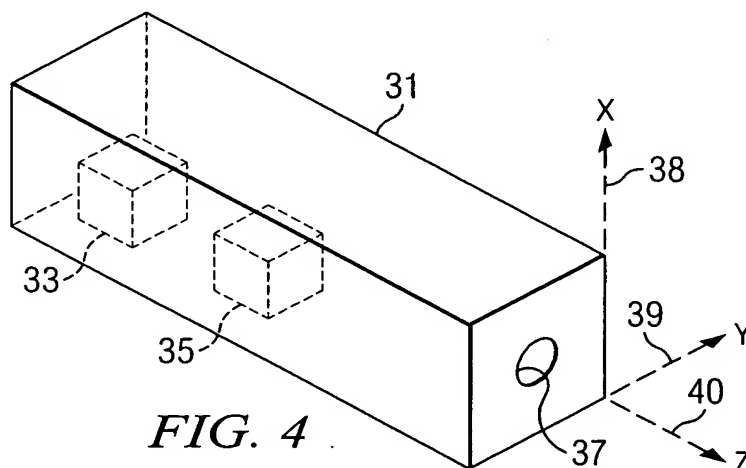


FIG. 4

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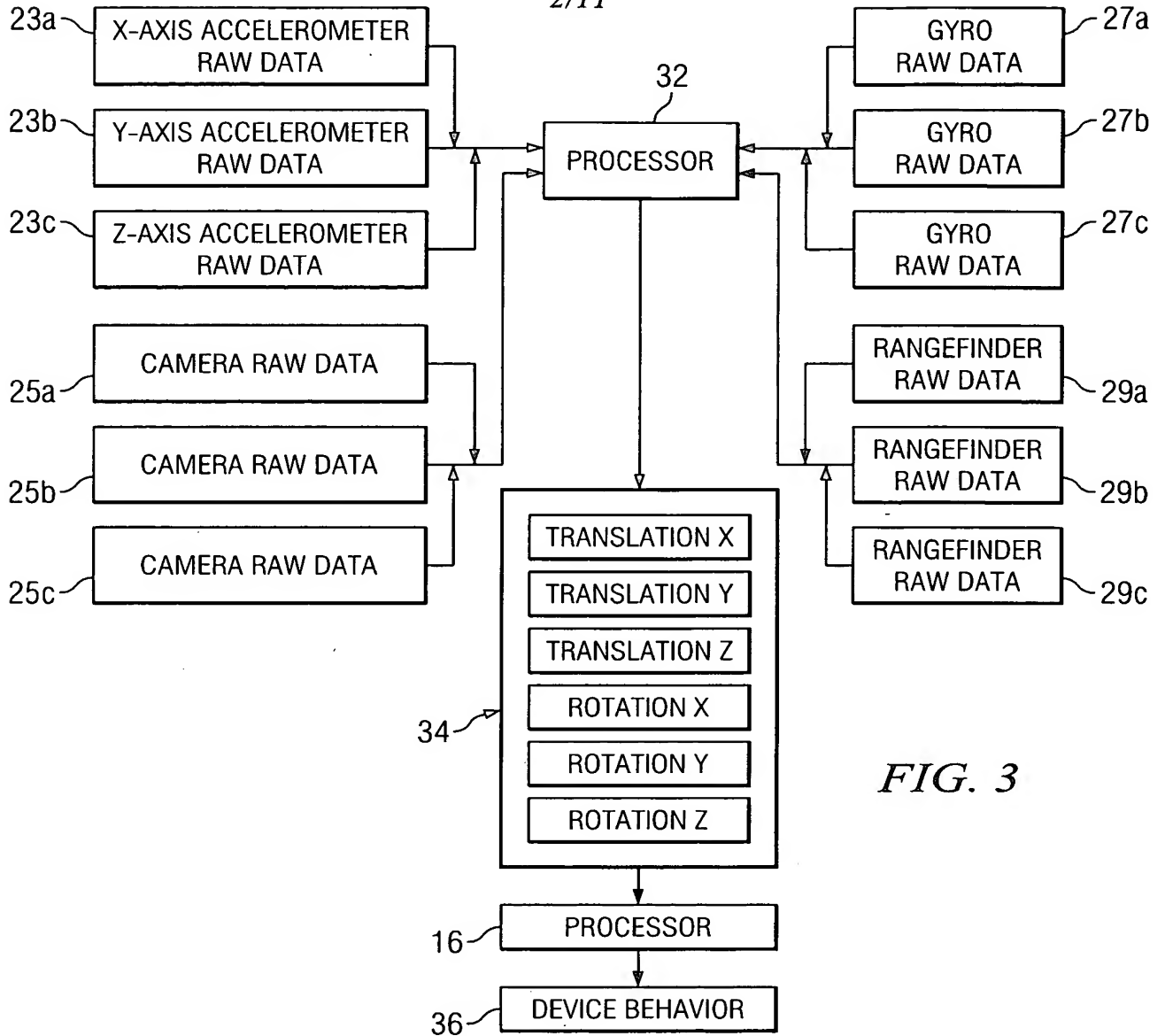


FIG. 3

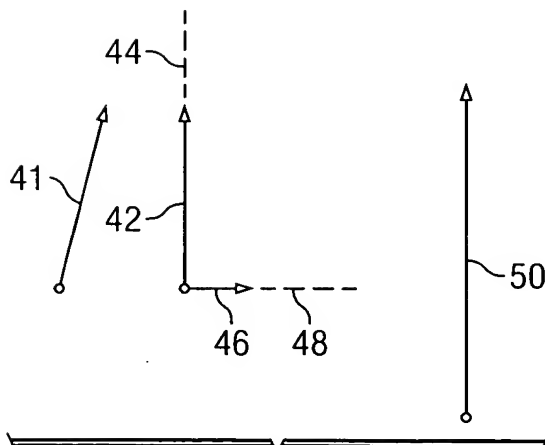


FIG. 5

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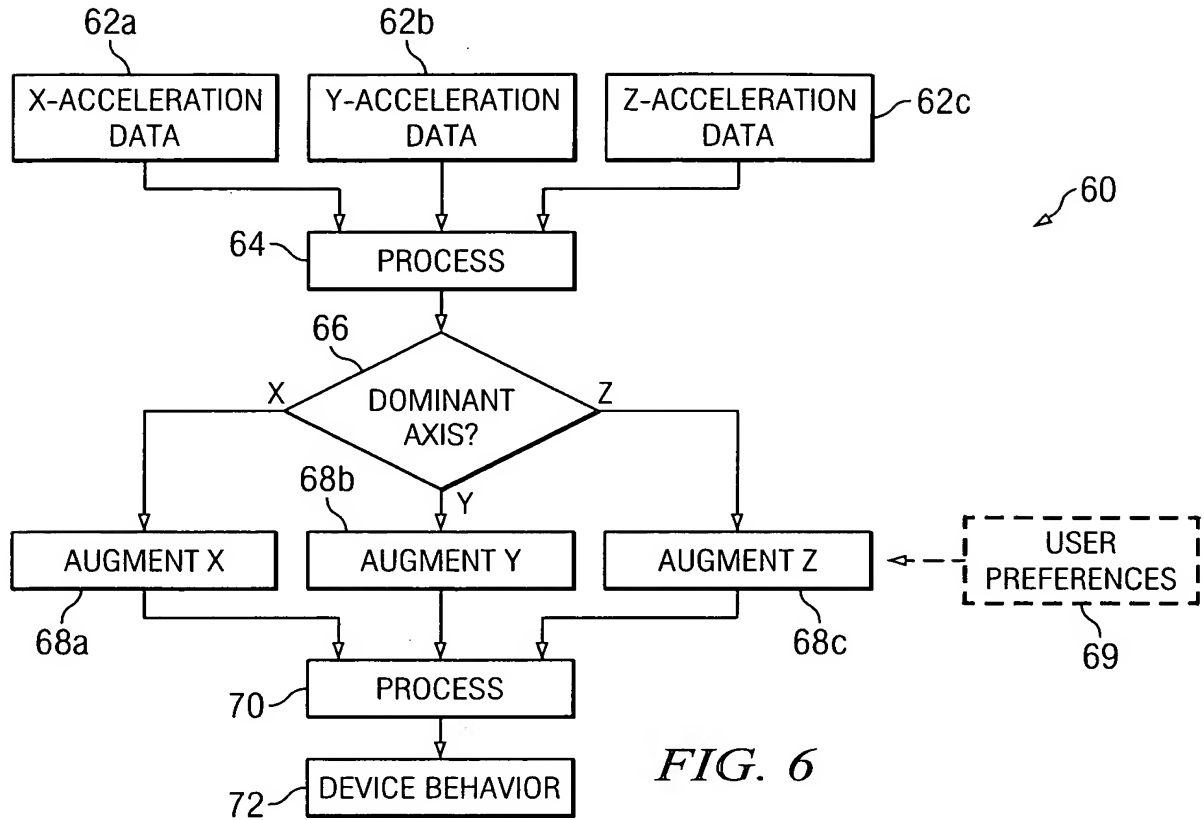


FIG. 6

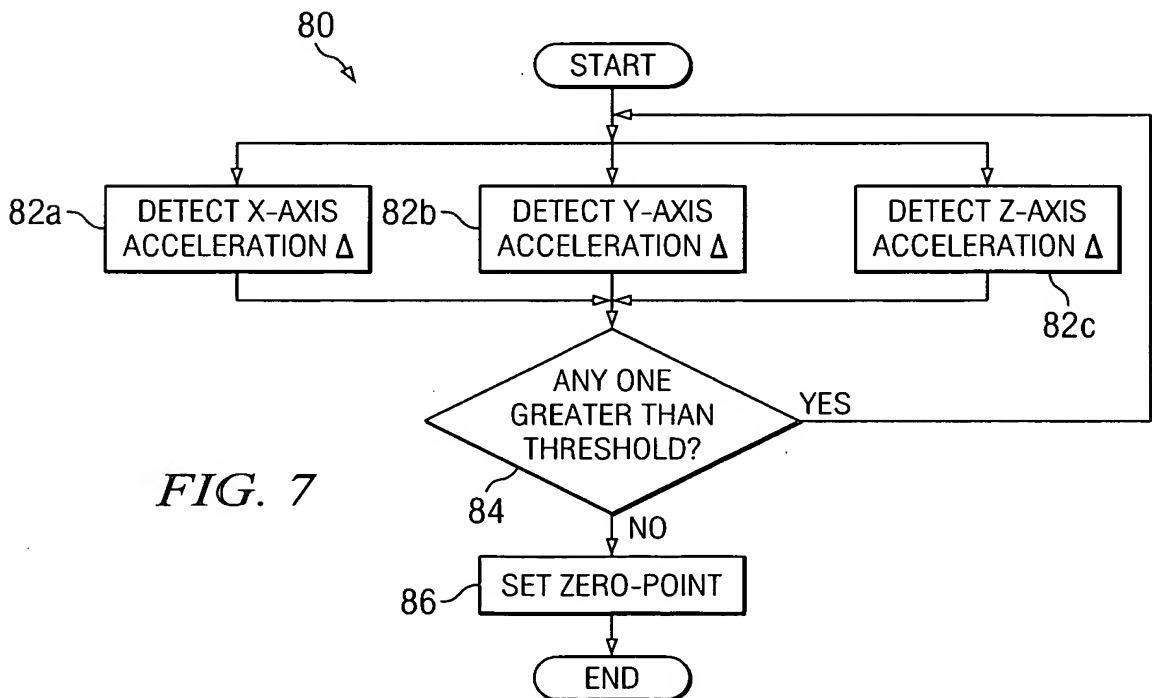


FIG. 7

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FIG. 8

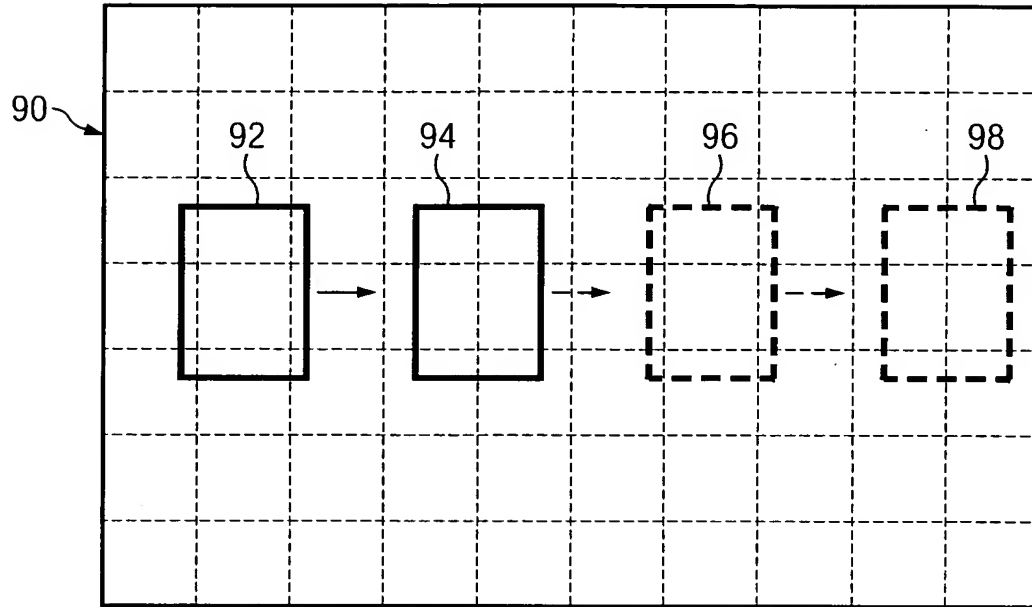
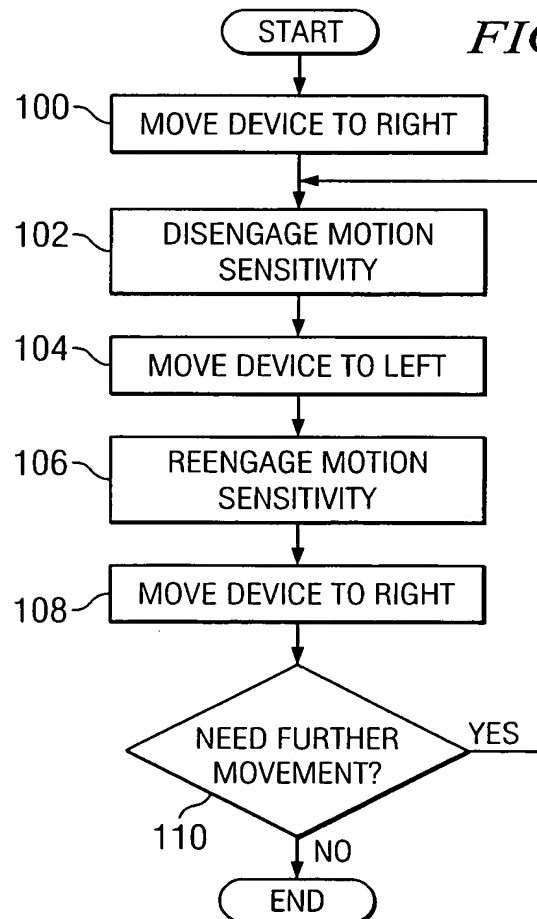


FIG. 9



**DISTINGUISHING TILT AND TRANSLATION
MOTION COMPONENTS IN HANDHELD
DEVICES**

Inventors: David L. Marvit et al.

Date Filed: March 23, 2004

Attorney's Docket: 073338.0181 (04-50454 FLA)

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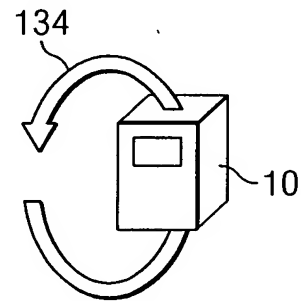
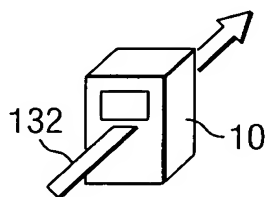
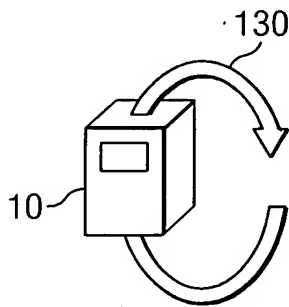
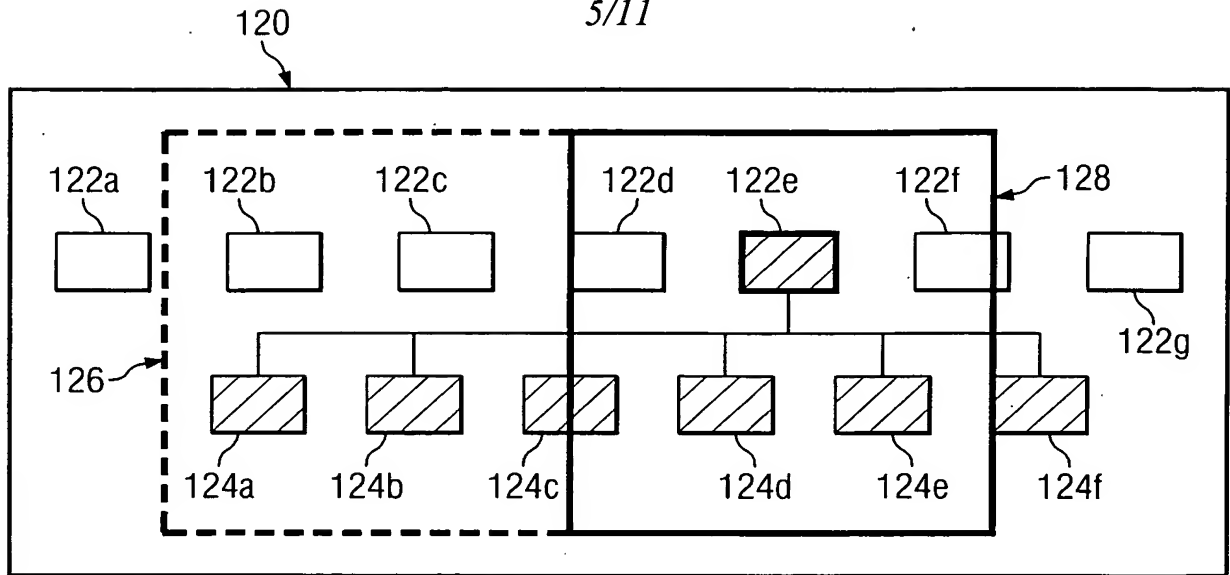


FIG. 10A

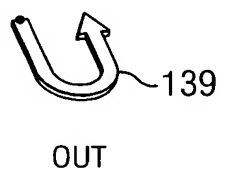
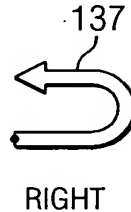
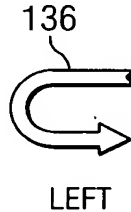
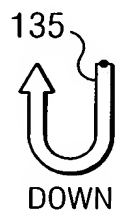
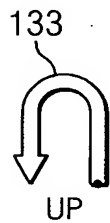


FIG. 10B

142 140

A	B	C	D
E	F	G	H
I	J	K	L
M	N	O	P

144

B1	B2	B3
B4	B5	B6
B7	B8	B9

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B2a	B2b	B2c
B2d	B2e	B2f
B2g	B2h	B2i

FIG. 11

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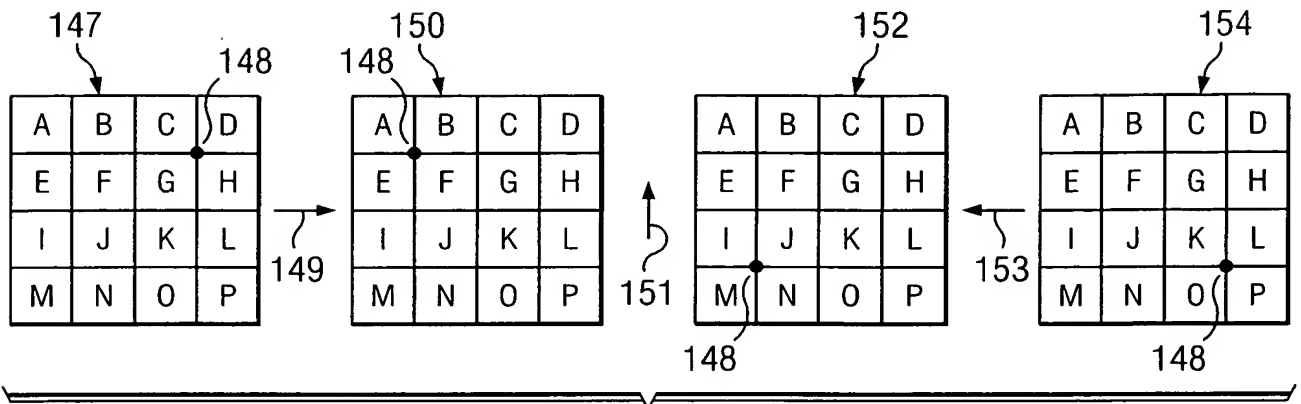
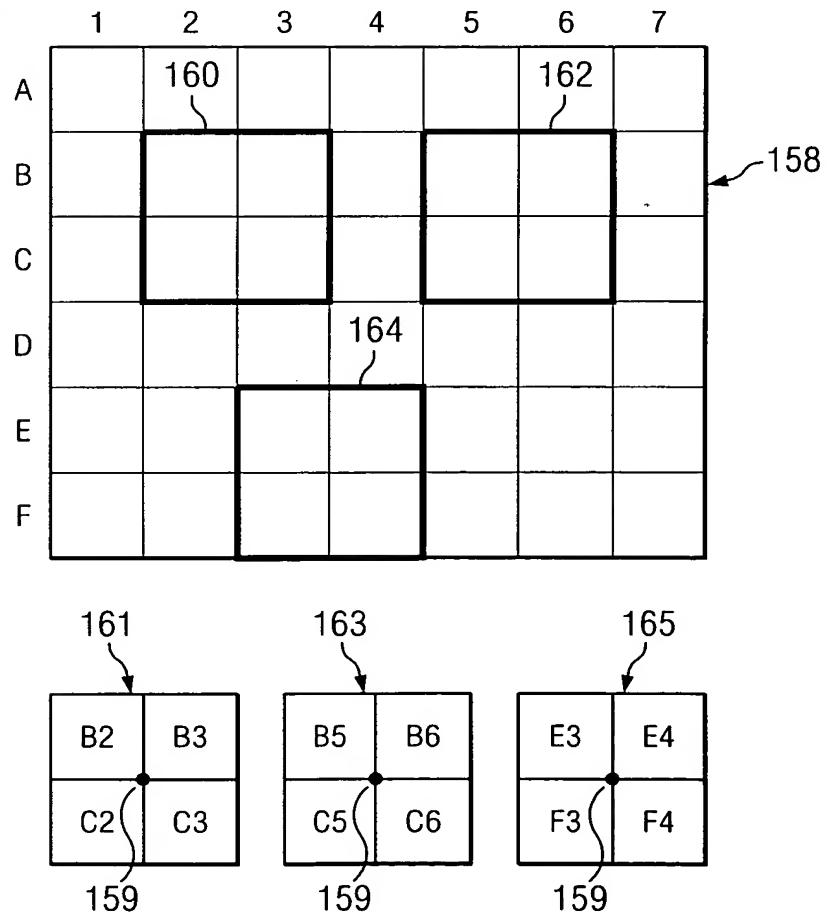
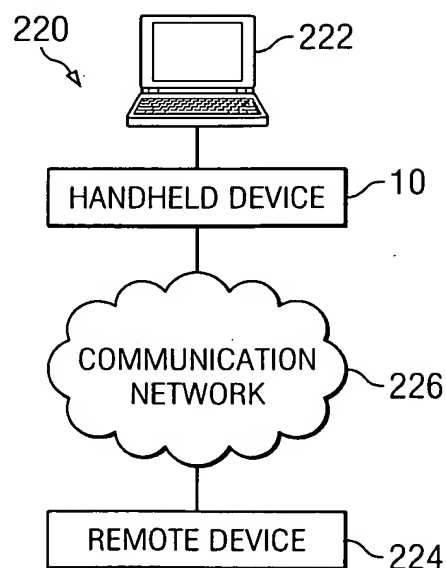
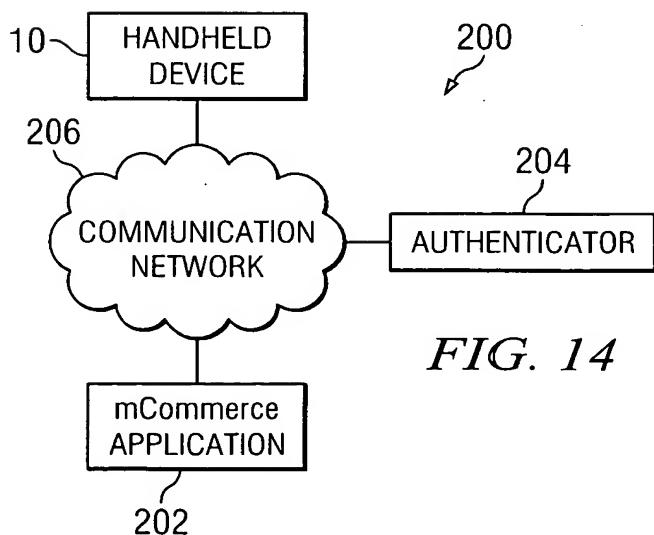
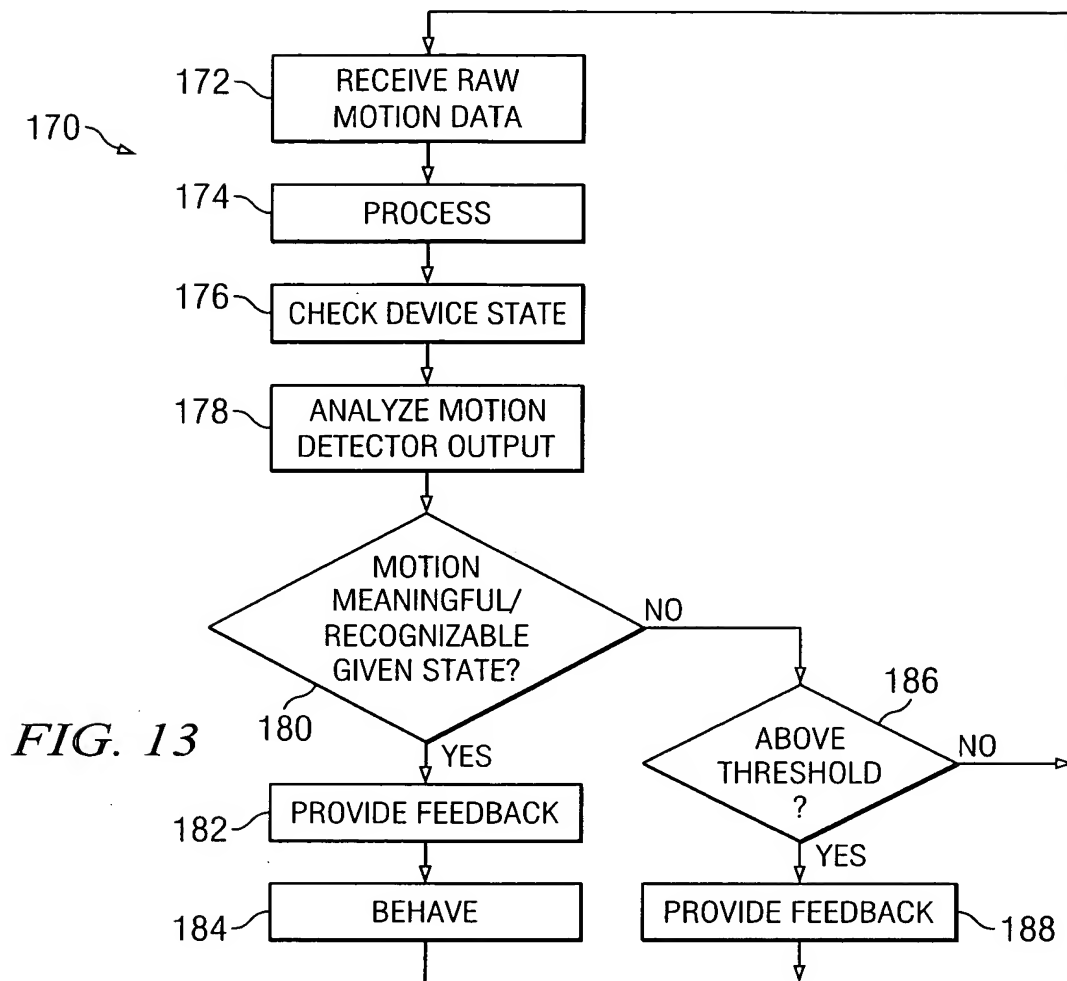


FIG. 12A

FIG. 12B



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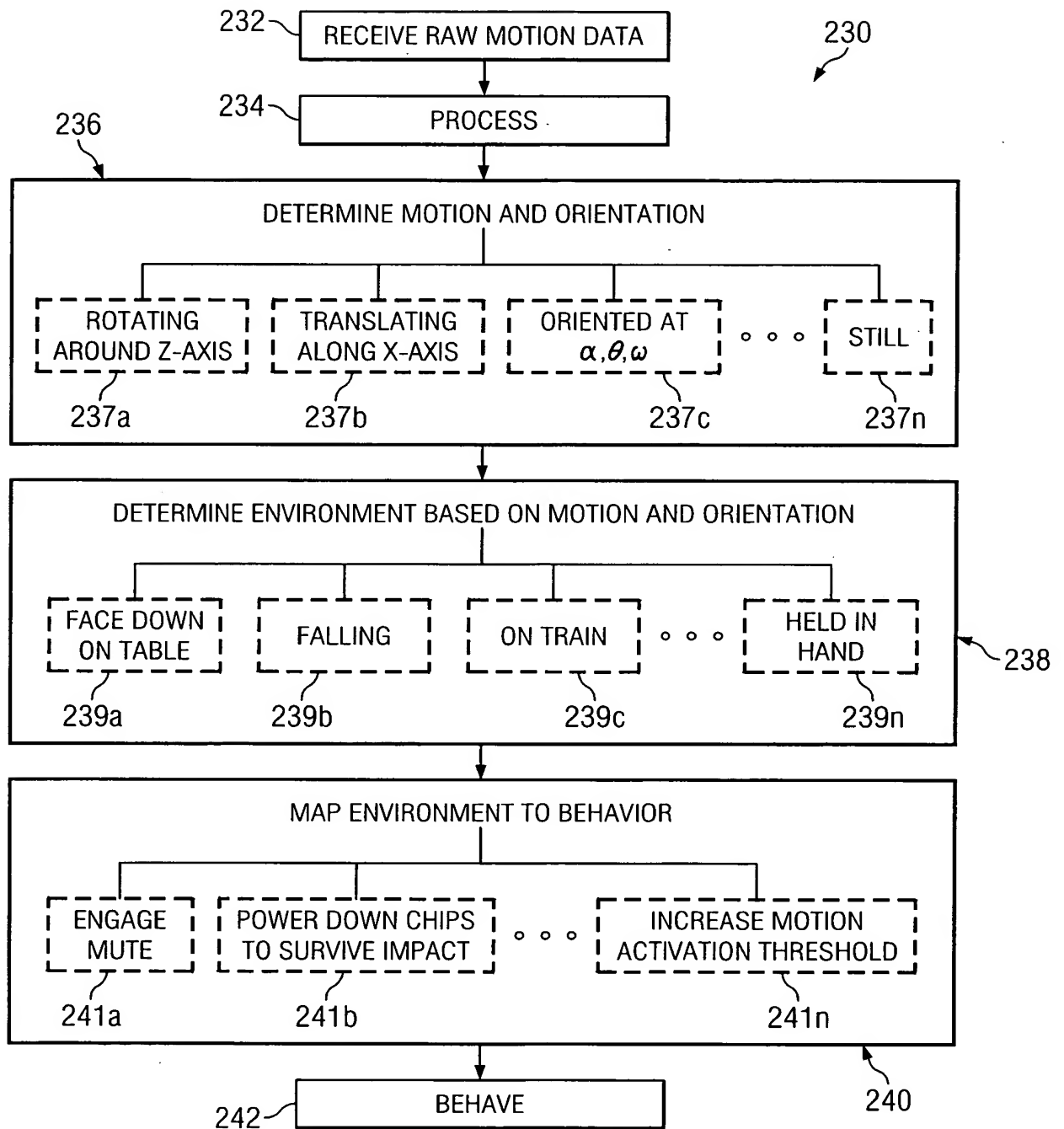
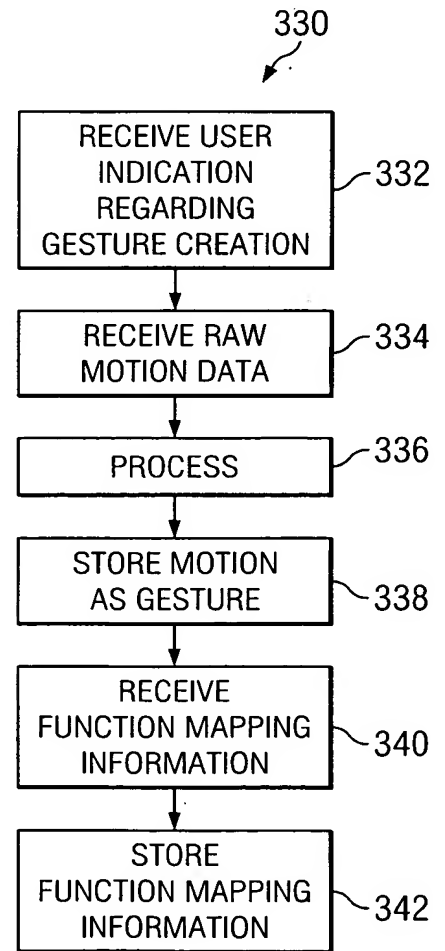
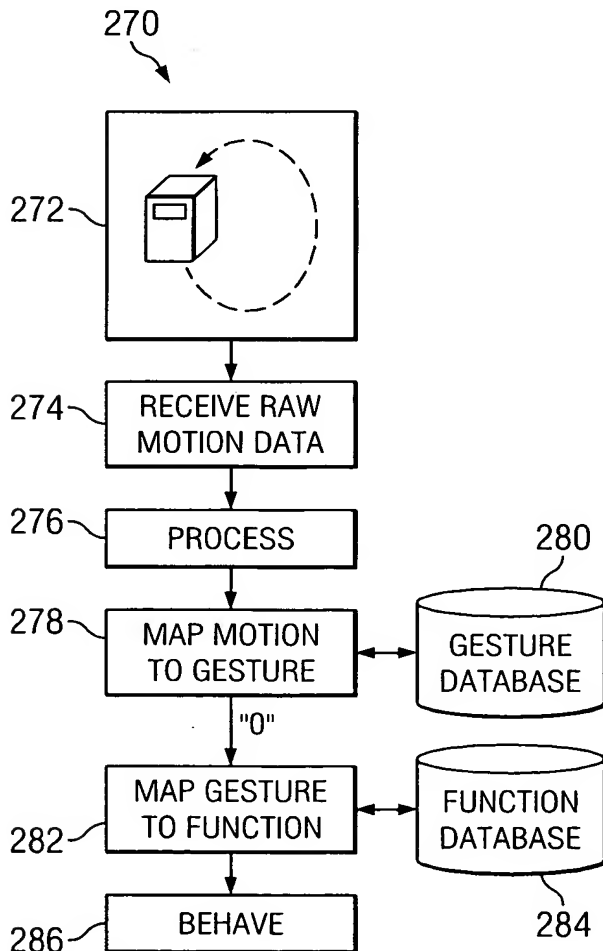
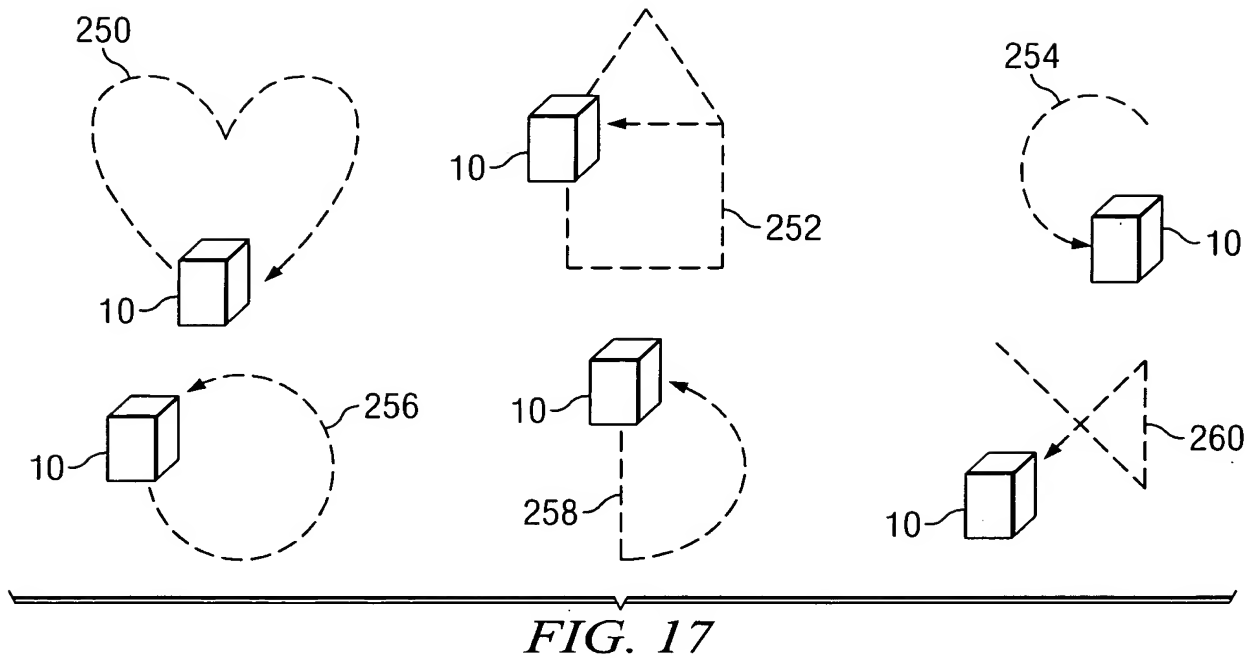


FIG. 16

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FIG. 19

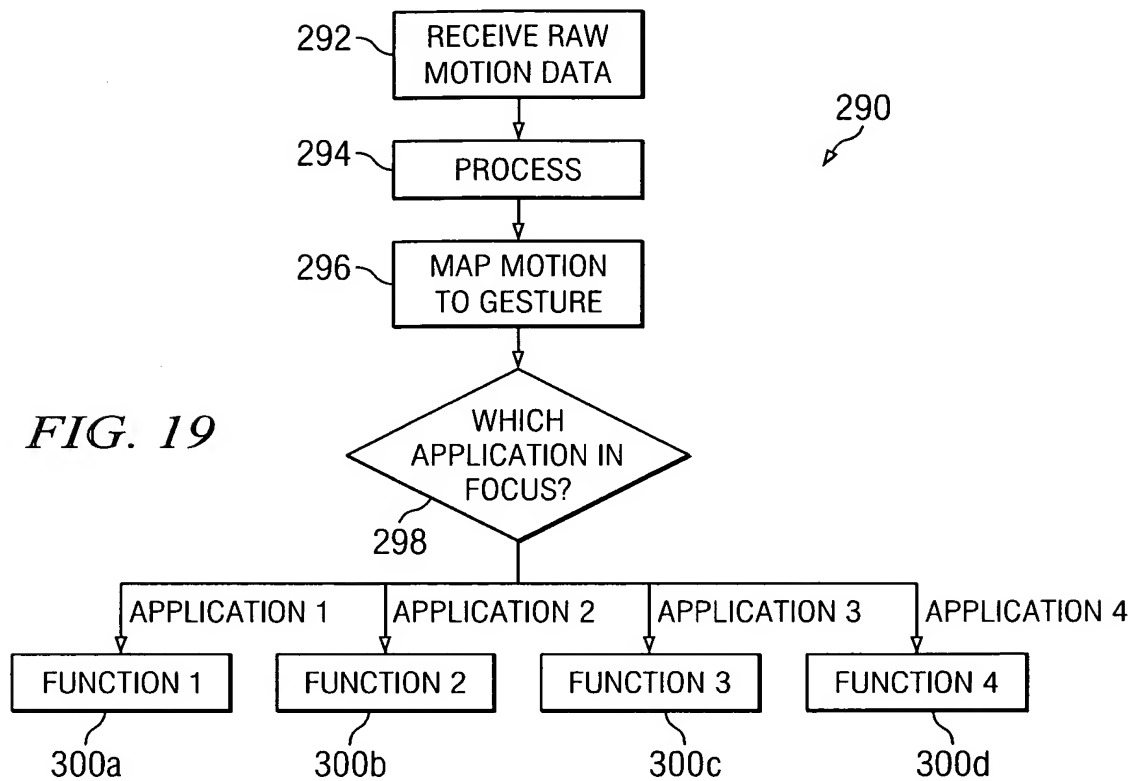
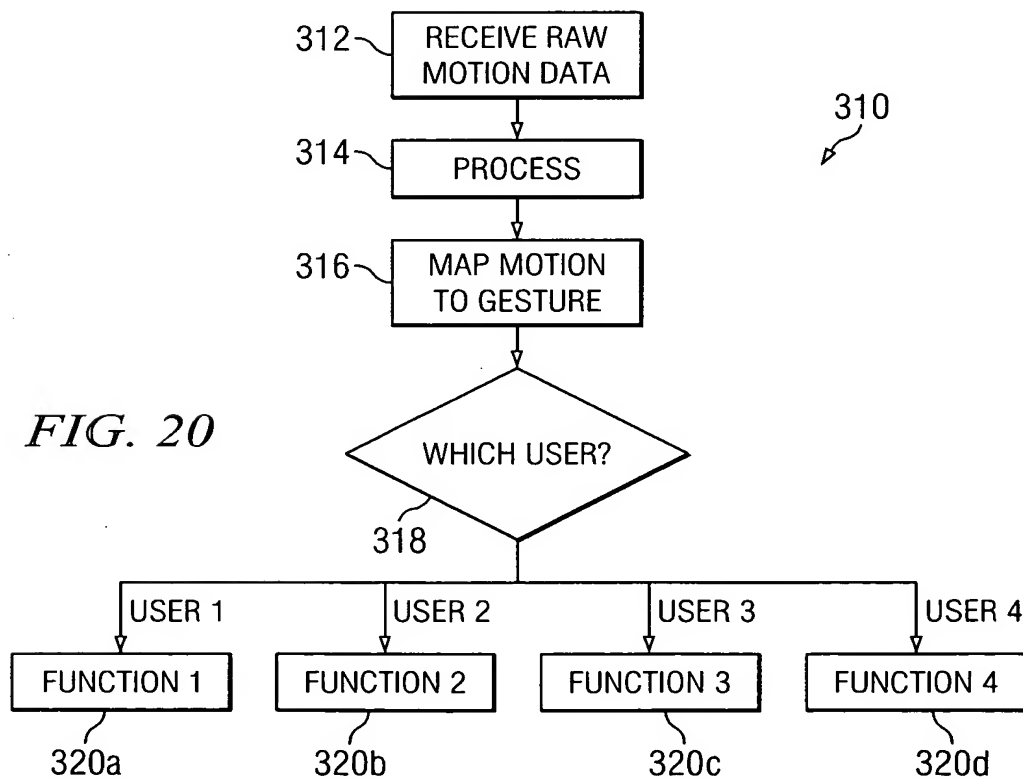


FIG. 20



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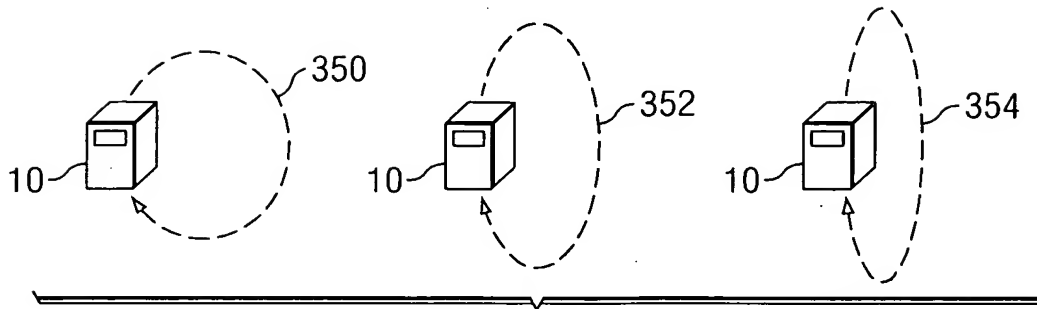


FIG. 22

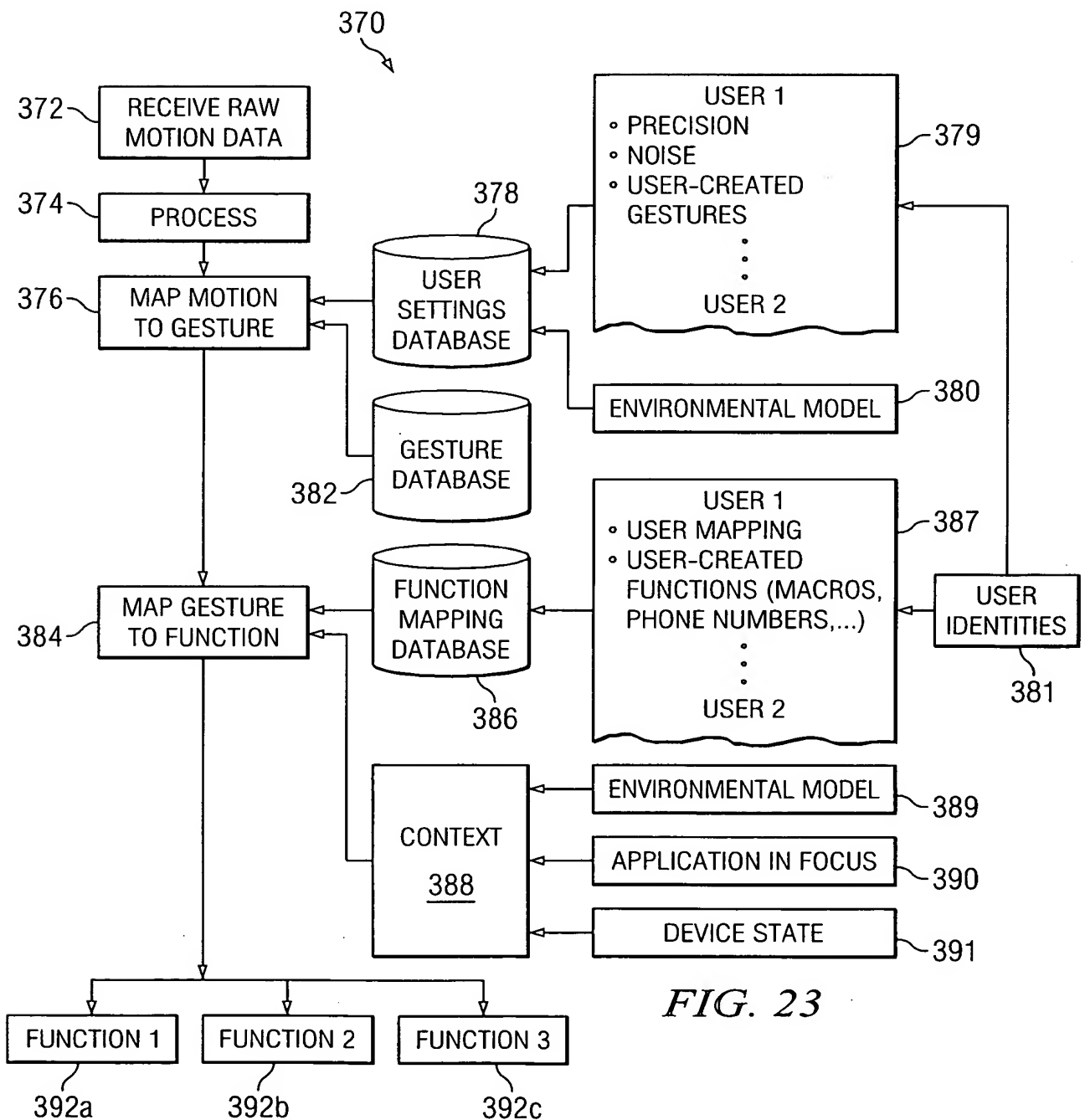


FIG. 23